

~~ADMINISTRATIVE-INTERNAL USE ONLY~~

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-I012

APPLICATIONS SOFTWARE
13 April 1983

INTERMAINTENANCE

SYMBOLIC TITLE: INTERMAIN
PROGRAMMER:

STAT

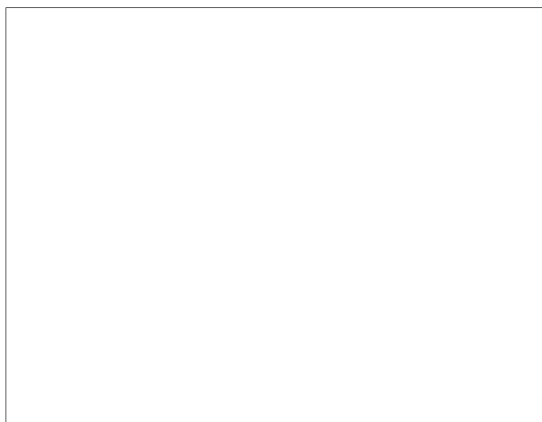
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APPROVALS

This operations manual has been reviewed and approved by the following persons:



9 Aug 1982
(date)

8/10/82
(date)

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SUMMARY

Intermaintenance (INTERMAIN) will be started by a ST INTR5 or XAU*P\$RUN.INTERMAIN/RUNS once a day from the console at 0030. This will initiate five (5) runstreams (INTR1 thru INTR5) which will cause INTERMAIN to be run by the following times:

1. 0130
2. 0530
3. 1130
4. 1530
5. 2000

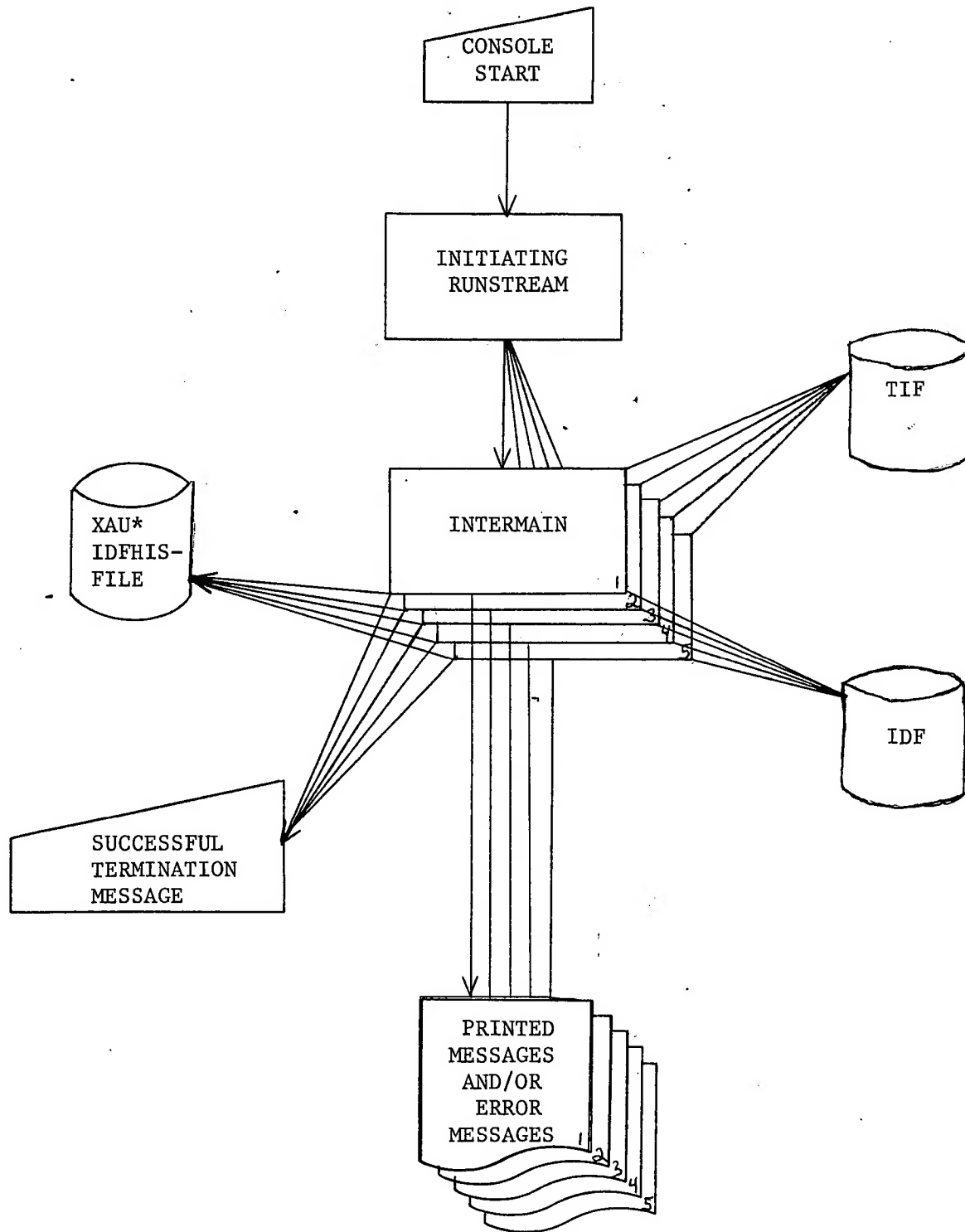
Each INTERMAIN will query the Transaction Interface File (TIF) records which point to the Installation Data File (IDF) records that have been updated since the last INTERMAIN.

INTERMAIN will take each TIF record and place it in the XAU*IDFHIS-FILE. It will continue this process until all TIF records have been queried. INTERMAIN will then delete all TIF records that have been processed in preparation for the *next* INTERMAIN run.

Normal and abnormal messages will be output to the console and at the end of the printer listing. Individual error messages will be printed. The listings from the printer should be sent to Data Base Section thru TSS and retained for one week.

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OPERATIONAL FLOW CHART



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Program INTERMAIN

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HIGH-SPEED PRINTER OUTPUT

Identification: INTERMAIN ERROR LIST

Format: Display error status and counters for every error
encountered

Type of Form:

Disposition: Send listing to Data Base Section.

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COMPUTER RUN PREPARATION SUMMARY

Assembly System: SPURT FD _____ SPRYE _____ ALGOL _____ FORTRAM IV _____ COBOL x _____ SIMSCRIPT _____
Hardware System: Univac 1100/84 Run Sequence 1 of 1
Application: Deadline Batch Program Name INTERMAIN Programme Core: Min _____ Max STAT
Drum: TIF & IDF File Estimated Run Time: Variable

MAGNETIC TAPE (File Protect All Output Tapes)

Logical Servo No. _____
or Symbolic Name N/A
Work _____
Input/Output N/A
Standard Tape _____
Label (See OPB/TAS) N/A

Disposition: Reten- _____
Save, List, & tion N/A
Release Period _____
Next Phase _____
[Prog. Name(s)] _____

INPUT

_____ Data Cards - Prog. Controlled (Volume) ST INTR5 or XAU*P\$RUN.INTERMAIN/RUNS
_____ Parameters - Prog. Controlled (Volume) _____
_____ Parameters - Oper. Load as Errata (Volume) _____
_____ Paper Tape (Volume) _____

OUTPUT On x Off _____ Line _____

1004 Board Name (no.) _____ Carriage Tape _____ Off Line Estimated Run Time: _____
(Hours & Tenths)

Printer (Type Paper/No. of Copies) 143 Single Copy

Cards on _____ Off _____ Line: _____ Plotter On _____ Off _____ Line: _____
(Volume) (Amount of paper in feet)

Other On _____ Off _____ Line: _____
(Volume)

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ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: Univac 1100/84

Schema Used:

Storage:

Core Required -

I Bank - 13262 Dec.

D Bank - 13010 Dec.

Peripheral Devices: Console
Printer

Restrictions: TIMER must be active

Supplies: None

Files Accessed: XAU*IDFHIS-FILE, IDF, TIF

Files Created/Deleted: None

File Size:

Approximate Number of Accesses:

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Program INTERMAIN

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PROGRAM LOADING

Type of Program: Deadline Batch (DMS)

Start Keyin: N/A

Run ID:

DMR ID:

ECRT:

General Equation - Computer run time is variable

Sample Estimate - N/A

FINAL CHECK SUMMARY

1. Runstream should be loaded from console at 0030.
2. Check output listing for successful terminations.

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NORMAL RUN INSTRUCTIONS

Initiation: Start INTERMAIN series by loading from console at 0030
every day: ST INTR5 OR XAU*P\$RUN.INTERMAIN/RUNS

Messages: Will appear on the console five times a day

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
1. IDF INTERMAINT (N) IS STARTING	Program is starting	None
2. INTERMAIN SUCCESS- FULLY TERMINATED**	Program finished	None

**Always check listing on printer to verify program
terminates successfully

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ABNORMAL RUN INSTRUCTIONS

Messages:

MessageCauseOperator ActionINTERMAIN MAX ERROR,
CONTACT PBPresent error maximum
encountered.Notify PB STAT
and save listing.INTERMAIN IN DEADLOCK
ROLLED BACKNo action necessary,
next INTERMAIN run
will pick up updates.
If three (3) INTERMAIN
runs in a series get
deadlocked, notify PB

STAT

Printer Error Messages:

When an error is encountered during a run of the INTERMAIN program, it will print out error-status, counters, and buffers. This will assist PB in understanding the problem encountered. As long as the program terminates successfully, these error listings do not indicate an invalid run--only minor file problems.

System and/or Timer Crash: Determine if INTERMAIN series are still in backlog. If not, it may be necessary to restart initial runstream.

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